



NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

Office of Corporate Communications

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No. 2014-16

NGA publishes gamification software to GitHub

Oct. 14, 2014

SPRINGFIELD, Virginia. — The National Geospatial-Intelligence Agency released gamification software code earlier this month to its organizational account on GitHub, an open-source, collaborative software development environment.

The software gives awards or badges to users and operates as a standalone application or can be integrated with other Web-based applications to increase learning, processing and output.

"Government game development efforts are exponentially on the rise today," said NGA Director Robert Cardillo. "The current generation of professionals is discovering the collaborative learning power of using games in standard business practices, and the newer generation is already familiar with how these new technologies are powerful learning tools."

NGA's gamification software also provides a customizable Web interface for displaying badges and a configurable rules engine that translates actions performed by users into awards, said Ray Bauer, an NGA information technology innovation lead.

"We recently successfully used the software during an NGA senior leader training session to engage the group and show levels of individual expertise and progress to each other as they accomplished the training mission," said Bauer.

Incorporating aspects of gaming into day-to-day analysis and activities can inspire new approaches and innovation among all levels of staff, said Bauer.

"The use of badging and awards recognizes what achievements matter most based on agency priorities, and rewards the user in the context of their work," said Bauer.

NGA launched its GitHub account in April 2014 and has released eight open source software packages on the platform, including GeoQ, an open-source geographic tasking system that allows teams to collect geographic structured observations across a large area, but manage the work in smaller geographic regions.

View the gamification-server web application code: <https://github.com/ngageoint/gamification-server>

Read more:

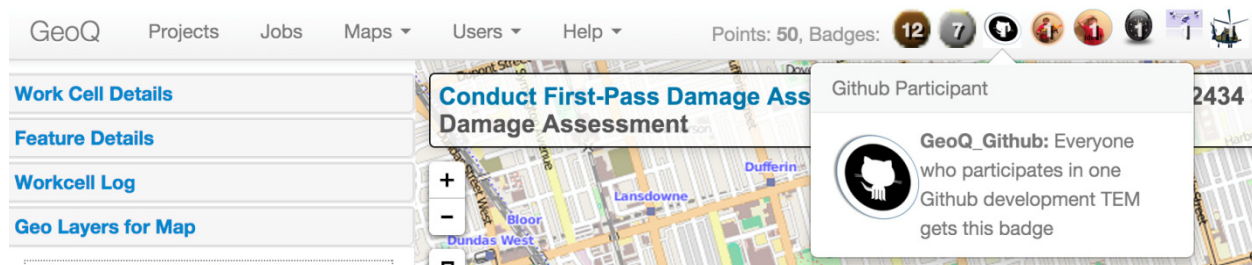
[NGA joins GitHub, offers code to help disaster response](#)
[Open source opens door to public innovation at NGA](#)



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NGA screenshot displays the agency's gamification software that awards badges capabilities for achievements and accomplishments. *Photo courtesy of NGA.*

-NGA-

Approved for public release: 15-024

About NGA...

The National Geospatial-Intelligence Agency delivers world-class geospatial intelligence, or GEOINT, that provides a decisive advantage to warfighters, policymakers, warfighters, intelligence professionals and first responders. Both an intelligence agency and combat support agency, NGA fulfills the president's national security priorities in partnership with the intelligence community and the Department of Defense.

NGA also is the lead federal agency for GEOINT and manages a global consortium of more than 400 commercial and government relationships. NGA is headquartered in Springfield, Va., and has two major locations in St. Louis and Arnold, Mo. Hundreds of NGA employees serve on support teams at U.S. military, diplomatic and allied locations around the world.

National Geospatial-Intelligence Agency

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